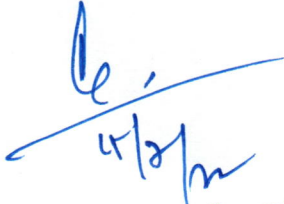


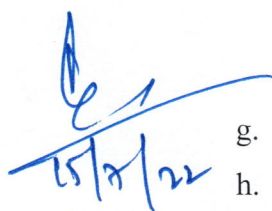
Minutes of 5th State Expert Appraisal Committee, Arunachal Pradesh Meeting on 5th July 2022 through VC.

1. The State Expert Appraisal Committee (SEAC), Arunachal Pradesh constituted by MoEF&CC, Government of India held its 5th SEAC meeting on 5th July 2022 on virtual mode under the Chairmanship of Shri. S. Raghavan, Chairman, SEAC, Arunachal Pradesh. The list of SEAC members and the representatives of M/s Vedanta Limited (Division Cairn Oil & Gas) present at the VC is annexed as Annexure-A.
2. The Deputy Director (Env) & Member Secretary, SEAC, welcomed all the Committee members and the representatives of Vedanta group to the virtual meeting and informed that the meeting was convened to discuss the M/s Vedanta Limited proposal with the project proponents after the field visit to project site.
3. The Chairman in his opening remark appreciated the interest of the Vedanta group in investing in oil and gas exploration in Arunachal Pradesh. He hoped that in the event that M/s Vedanta Limited obtains Forest and Wildlife Clearance as well as Environmental clearance for this project, Vedanta would adopt the latest clean technologies for the exploration. Arunachal Pradesh being an eco-fragile region needs special consideration especially since it is prone to landslides, soil erosion and flash floods. He informed the representatives of Vedanta that their proposed drilling project site was visited by a Sub-committee of SEAC after which the project proposal was discussed in a SEAC meeting. The members raised serious concerns regarding the project and this meeting has been convened to discuss these concerns with the project proponents so that their concerns could be addressed by the project proponents and changes could be made to the Environment Management Plan of the project.
4. The Chairman and the Members raised the following concerns: -
 - a. The data given in the Form 2, Pre-feasibility report, EIA/EMP and its Annexures should be updated to reflect what has been informed by the Vedanta team to SEAC in discussions and meetings and ADR submitted. There needs to be uniformity in the data as well as information in all the documents submitted and clarity regarding the proposed project, its implementation and its environmental impact.
 - b. Time of 90 days of drilling activity has been proposed in the ADR submitted but the environmental impact of the project will start right from the building of the roads to take the rigs to drilling site of the project and many other pre drilling activities months before the drilling activity starts. The extent of the


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pre drilling activity will be quite widespread in areas not covered by the submitted EIA/EMP. The extent of time required in the pre-drilling phase of the project should be estimated and the EIA for the road building activity should also be submitted. The project time line should be clearly stated so that proper monitoring of the project could take place by the concerned State authorities.

- c. Environmental clearance, if given, would be valid only for the exploratory drilling and early production phase only and for a period as given in the EIA guidelines and notifications. If any commercially viable reserve is discovered then further well development and up-scaling of the project for commercial development would be another project which would require fresh Environmental Clearance.
- d. Total extent of land required for undertaking this project - roads, wells, waste water treatment plant etc needs to be properly documented and ownership of the land identified.
- e. Total length of new road to be constructed for this exploratory drilling project has not been provided. Width of road required and the length of road from existing road to the drilling site needs to be estimated and mapped. Ownership of the land through which the proposed roads would run and its Right of Use needs to be detailed. The type of material to be used for construction of the road, and the effect of it on the surrounding. Also, it would be necessary to know whether the Project Proponent would construct the road by themselves or in collaboration with the local governmental authority/agencies. Exploration of other methods of movements of the oil rigs to the drilling site in this mountainous terrain prone to landslides by ropeways/airlifting.
- f. Total water requirement during the different stages of the project and its source. The important streams and springs within 6kms aerial distance to be documented. Inventory of groundwater wells in the vicinity of the project so that their water quality could be monitored during and after the project, The treatment of waste water and WBM generated from the project and its disposal.
- g. Total energy requirement for the project and source of energy.
- h. Details of effluents from the exploratory drilling process and it's safe disposal



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- i. Details of hamlets and villages, streams and wells, agricultural land in the vicinity of the road to be built as well as for the oil wells should also be detailed
- j. Risk and hazards of the project. Fire and fire containment measures, Capability of Vedanta in the event of a well blow out. Detailed emergency response plan is to be developed.
- k. The Environmental Management Plan which has been submitted is a very generalized rudimentary document which does not cover much details of the project area, local details, its eco-fragile nature and pristine condition. It needs to be improved to address all the concerns raised above and should give specific measure which will be taken up by the Company in the project area to minimize environmental impact on the landscape, forest, agriculture, the people, livestock and wildlife in the area. The Environmental Monitoring Plan also needs improvement and location of monitoring stations should be clearly indicated and mapped so that the impact of the project on people living in the vicinity of the project could be captured. Decommissioning and abandonment plan has to detailed giving cost of the operation. Since the project is being taken up in a pristine area adequate budget and funds for implementing the Environmental Management Plan (upto 10% of project cost) should be made available.

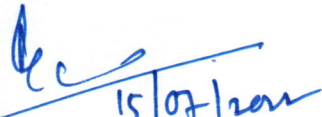
5. Shri Bera, Senior Manager, Vedanta Group clarified that:-

- a. The project would be taken up on forest land and forest clearance would be obtained from MoEF & CC.
- b. Wildlife clearance may not be required in case the ESZ draft notification of MoEF & CC for Dihing Patkai National Park is finally notified. The 3 proposed wells are outside ESZ boundary of Dihing Patkai National Park.
- c. He informed that time line for the project right from road preparatory work to drilling and early production would be given. But Environmental Clearance once given, the validity period would be 10 years as per EIA notification
- d. He informed that in the EMP/EIA document submitted for the project generalized figures regarding width of the road has been given at 30 metres and a road width of about 5-6 meters would be sufficient to move the rigs.
- e. He said precise requirement for road, water and other needs for the project and mismatch in the figures and information in the documents would be looked


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into and resubmitted after receiving the same from SEAC. A detailed revised EMP would be submitted

6. The Member Secretary SEAC Shri Robin Dohu requested M/s Vedanta Limited (Division Cairn Oil & Gas) to address the concern of the members and bring greater clarity to the proposed project. Additional information required by the SEAC members would be sent to Vedanta soon. Additional information and revised EIA/EMP as suggested by the members may be submitted at the earliest by Vedanta so that a proper informed decision may be taken by the SEAC. The recommendation of SEAC would go through the Parivesh portal to SEIAA.
7. The session adjourned with the vote of thanks from Shri D. Dohu Robin to all the SEAC members and the officials of Vedanta.


15/07/2022
Dy. Director (Environment) &
Member Secretary,
State Environment Expert Appraisal Committee (SEAC)
Arunachal Pradesh
Member Secretary
State Expert Appraisal Committee (SEAC)
Arunachal Pradesh

Copy to:-

1. Shri. Sreeshan Raghavan, IFS (Retired), **Chairman, SEAC** Arunachal Pradesh for kind information
2. Dr. G. Srinivasan, Chief Scientist, Regional Integrated Multi-hazard Early warning System (RIMES), Thailand, **Member SEAC** Arunachal Pradesh for kind information
3. Prof. B. Mohan Kumar, Vice-Chancellor, Arunachal University of Studies, Namsai, **Member SEAC**, Arunachal Pradesh for kind information.
4. Dr. A.K. Tripathy, **Member SEAC**, Arunachal Pradesh for kind information
5. Dr. O.P. Tripathi, Professor, Mizoram University, Aizwal, **Member SEAC**, Arunachal Pradesh for kind information
6. Dr. Rani Jha, Director (Sci. & Tech.), Arunachal University of Studies, Namsai, **Member, SEAC**, Arunachal Pradesh for kind information
7. M/s Vedanta Limited (Division Cairn Oil & Gas) on "Onshore Oil and Gas Exploration, Appraisal and Early Production in AA-ONHP-2017/2 Hydrocarbon Block in Tirap District of Arunachal Pradesh.
8. Office Copy


15/07/22
Dy. Director (Environment) &
Member Secretary,
State Environment Expert Appraisal Committee (SEAC)
Member Secretary
State Expert Appraisal Committee (SEAC)
Arunachal Pradesh

Annexure - A

List of Participants in 5th SEAC Meeting Arunachal Pradesh held on 5th July 2022

Sl/No	Name of Participants	Designation	Signature
01	Sh. Raghavan, IFS (Retd)	Chairman SEAC	
02	Prof. Dr. B Mohan Kumar	Member SEAC	
03	Dr. G Srinivasan	Member SEAC	
04	Dr. O P Tripathy	Member SEAC	
05	Dr. Rani Jha	Member SEAC	
06	Dr. AK Tripathy	Member SEAC	
07	D. Dohu Robin	Member Secy SEAC	